

REMARKS

This application has been carefully reviewed in light of the Office Action dated January 11, 2006. Claims 1 to 25 are pending in the application, with Claims 20 to 25 having been added. Claims 1 to 3, 5, 7 to 9, 11, 18 and 19 have been amended, and Claims 1, 7, 13, 17 to 20 and 23 are in independent form. Reconsideration and further examination are respectfully requested.

In the Office Action, Claims 1 to 19 have been rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 5,363,480 (Usami) in view of U.S. Patent No. 5,895,477 (Orr). These rejections are respectfully traversed.

Claims 1, 7 and 18

Referring specifically to the claims, independent Claim 1 as amended is directed to a document processing apparatus for a structured document formed by at least one group having a specific attribute, wherein each of the at least one group contains at least one page, each of which has a print attribute. The apparatus includes a display controller which controls display of an object as an image indicating at least one original page contained in the document. The apparatus also includes an instruction unit which accepts an instruction from a user to insert a new page into the document, on a screen on which the object is displayed as the image by the display controller. In addition, the apparatus includes an editor which edits the document so as to generate a new group containing the new page and to insert the new group into the document in accordance with the instruction accepted by the instruction unit. The display controller controls display of the objects including an object corresponding to the new group, using the document edited by the editor.

Independent Claims 7 and 18 as amended are respectively directed to a method and a program which are seen to generally correspond with Claim 1.

Thus, among its many features, the invention of Claims 1, 7 and 18 provides for (i) editing a document by generating a new group containing a new page and inserting the new group into the document in accordance with an instruction accepted from a user, and (ii) displaying objects including an object corresponding to the new group, using the edited document. The applied references of Usami and Orr are not seen to disclose or suggest at least these features.

As understood by Applicants, Usami discloses that a document processing apparatus, such as English word processor, displays layouts of several pages of the documents on page basis in the respective rectangular layout display areas on a display together with format information including top margin, bottom margin, print line numbers in each page of the documents. However, Usami is not seen to disclose or suggest (i) editing a document by generating a new group containing a new page and inserting the new group into the document in accordance with an instruction accepted from a user, and (ii) displaying objects including an object corresponding to the new group, using the edited document.

Orr is not seen to compensate for the deficiencies of Usami. As understood by Applicants, Orr discloses a design engine for automatic layout of content. FIG. 19 of Orr is seen to illustrate one technique 280 for adding content to a composition, in which a user interface 281 of a computer system includes a composition 282. Located within the composition 282 are currently a photograph 284 and an empty text region 286. The empty text region 286 may be represented by a particular text component that at this point has no

context associated with it. See Orr, column 24, lines 8 to 16. In addition, Figs. 15 and 16 of Orr are seen to show a paper media tree and a HTML media tree, respectively. In Fig 15, a paper page is seen to be composed of multiple objects. Fig. 16 is seen to show that an HTML page contains multiple paper pages, each of which is composed of multiple objects.

Although Orr may be seen to disclose an arrangement in which an HTML page contains multiple paper pages, nothing in Orr is seen to disclose or suggest the use of multiple groups, muchless the generation of a new group. Accordingly, Orr is not seen to disclose or suggest (i) editing a document by generating a new group containing a new page and inserting the new group into the document in accordance with an instruction accepted from a user, and (ii) displaying objects including an object corresponding to the new group, using the edited document.

Allowance of Claims 1, 7 and 18 is therefore respectfully requested.

Claims 13, 17 and 19

Independent Claim 13 is directed to a document processing method of processing original data having a print format as an attribute. The method includes the step of holding original data in a tree structure by giving an attribute to each node. The method also includes the step of, when separating arbitrary partial tree data in the tree structure into a plurality of partial tree data, replacing an attribute of each separated partial tree with an attribute of a node of the partial tree data in accordance with an attribute before separation.

Independent Claims 17 and 19 are respectively directed to an apparatus and a program which are seen to generally correspond with Claim 13.

A feature of the invention of Claims 13, 17 and 19 therefore lies in replacing, when separating arbitrary partial tree data in a tree structure into a plurality of

partial tree data, an attribute of each separated partial tree with an attribute of a node of the partial tree data in accordance with an attribute before separation. The applied references of Usami and Orr are not seen to disclose or suggest at least this feature.

As noted above, Usami is seen to disclose that a document processing apparatus displays layouts of several pages of the documents on page basis in the respective rectangular layout display areas on a display together with format information. However, Usami is not seen to disclose or suggest that when separating arbitrary partial tree data in a tree structure into a plurality of partial tree data, an attribute of each separated partial tree is replaced with an attribute of a node of the partial tree data in accordance with an attribute before separation.

In addition, Orr has been reviewed and is not seen to compensate for the deficiencies of Usami. In particular, although Orr may be seen to disclose an arrangement in which an HTML page contains multiple paper pages, nothing in Orr is seen to disclose or suggest replacing, when separating arbitrary partial tree data in a tree structure into a plurality of partial tree data, an attribute of each separated partial tree with an attribute of a node of the partial tree data in accordance with an attribute before separation.

Allowance of Claims 13, 17 and 19 is therefore respectfully requested.

Claims 20 and 23

Newly-added independent Claim 20 is directed to a document processing apparatus for processing document data containing chapters, each of which contains pages. The apparatus includes obtainment means for obtaining data containing pages. The apparatus also includes generation means for, when said obtainment means has obtained data containing pages, generating a new chapter which is different from chapters currently

contained in the document data and which contains the pages obtained by said obtainment means.

Newly-added independent Claim 23 is directed to a method which is seen to generally correspond with Claim 20.

A feature of the invention of Claims 20 and 23 therefore lies in generating, when data containing pages is obtained, a new chapter which is different from chapters currently contained in document data and which contains the obtained pages. The applied references of Usami and Orr are not seen to disclose or suggest at least this feature.

As noted above, Usami is seen to disclose that a document processing apparatus displays layouts of several pages of the documents on page basis in the respective rectangular layout display areas on a display together with format information. However, Usami is not seen to disclose or suggest that when data containing pages is obtained, a new chapter is generated which is different from chapters currently contained in document data and which contains the obtained pages.

In addition, Orr has been reviewed and is not seen to compensate for the deficiencies of Usami. In particular, although Orr may be seen to disclose an arrangement in which an HTML page contains multiple paper pages, nothing in Orr is seen to disclose or suggest generating, when data containing pages is obtained, a new chapter which is different from chapters currently contained in document data and which contains the obtained pages.

Allowance of Claims 20 and 23 is therefore respectfully requested.

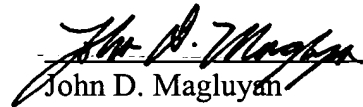
Accordingly, based on the foregoing amendments and remarks, independent Claims 1, 7, 13, 17 to 20 and 23 are believed to be allowable over the art of record.

The other claims in the application are each dependent from the independent claims and are believed to be allowable over the art of record for at least the same reasons. Because each dependent claim is deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.

No other matters being raised, it is believed that the entire application is fully in condition for allowance, and such action is courteously solicited.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,


John D. Magluyan
Attorney for Applicants
Registration No.: 56,867

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
Facsimile: (212) 218-2200

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